

## CLAIMS

- 5 1. A method of transmitting the identity of a calling subscriber (subscriber A) to a called subscriber (subscriber B) in a mobile communication system comprising a home location register (HLR) for permanent storage of subscriber data on mobile stations (MS) registered in the network, and at least one visitor location register (VLR) for temporary storage of subscriber data on mobile stations (MS) located in the geographical area monitored by the visitor location register, whereby signalling that is unrelated to the speech connection is transmitted between the switching centres (GMSC, MSC) and registers (HLR, VLR) of the mobile communication system, **characterized** in that the identity of subscriber A is transmitted to the mobile services switching centre (MSC) of subscriber B via signalling that is unrelated to the speech connection.
- 15 2. A method as claimed in claim 1, **characterized** in that the identity of subscriber A is transmitted before call set-up.
- 20 3. A method as claimed in claim 1 ~~or 2, characterized in~~ <sup>wherein</sup> that the home location register (HLR) transmits to the visitor location register (VLR) the identity of subscriber A in connection with a request for routing information.
- 25 4. A method as claimed in claim 3, ~~characterized in that~~ <sup>the</sup> the identity of subscriber A is transmitted in a MAP PROVIDE\_ROAMING\_NUMBER message.
- 30 5. A method as claimed in ~~any one of the preceding claims,~~ <sup>claim 1</sup> ~~characterized in that~~ <sup>wherein</sup> subscriber B is located in a visited network.
- 35 6. A mobile communication system comprising a home location register (HLR) for permanent storage of subscriber data on mobile stations (MS) registered in the network, and at least one visitor location register (VLR) for temporary storage of subscriber data on mobile stations (MS) located in the geographical area monitored by the visitor location register (VLR), whereby signalling that is unrelated to the speech connection is transmitted between the switching centres (GMSC, MSC) and registers (HLR, VLR) of the mobile communication system, **characterized** in that the mobile communication system is arranged to transmit the identity of subscriber A to the mobile services switching centre (MSC) of subscriber B via signalling that is unrelated to the speech connection.

7

10

7. A mobile communication system as claimed in claim 6, ~~characterized~~<sup>wherein</sup> in that the home location register (HLR) is arranged to transmit the identity of ~~subscriber A~~<sup>the</sup> to the visitor location register (VLR) in connection with a request for routing information.

5

8. A mobile communication system as claimed in claim 7, ~~characterized~~ <sup>wherein</sup> in that the home location register (HLR) is arranged to transmit the identity of subscriber A in a MAP PROVIDE\_ROAMING\_NUMBER message. <sup>the</sup>

10

9. A mobile communication system as claimed in claim 6, ~~7 or 8,~~  
~~characterized~~ <sup>wherein</sup> in that subscriber B is located in a visited network.

10

add  $C^2$

ADD E17